

#4

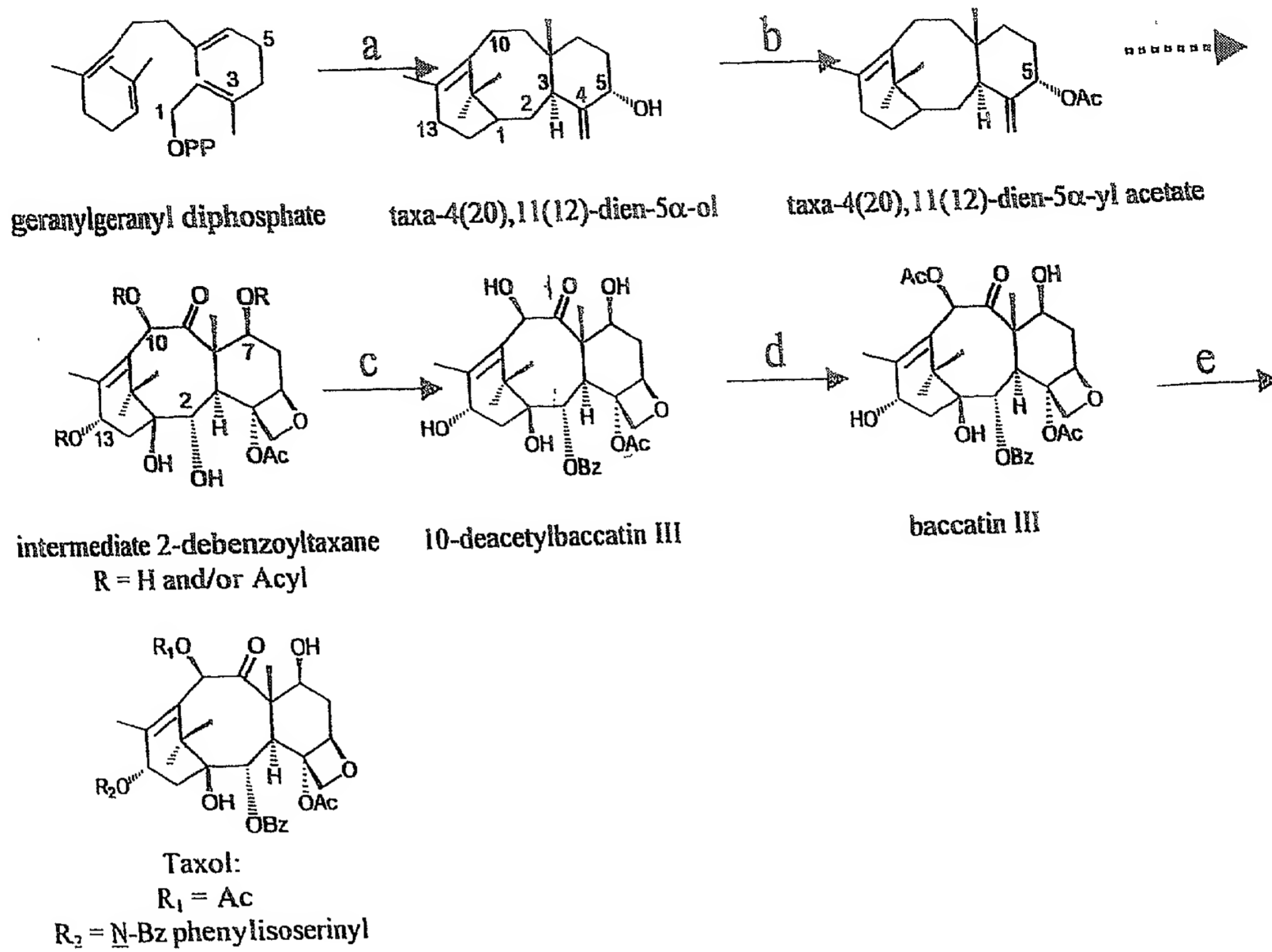
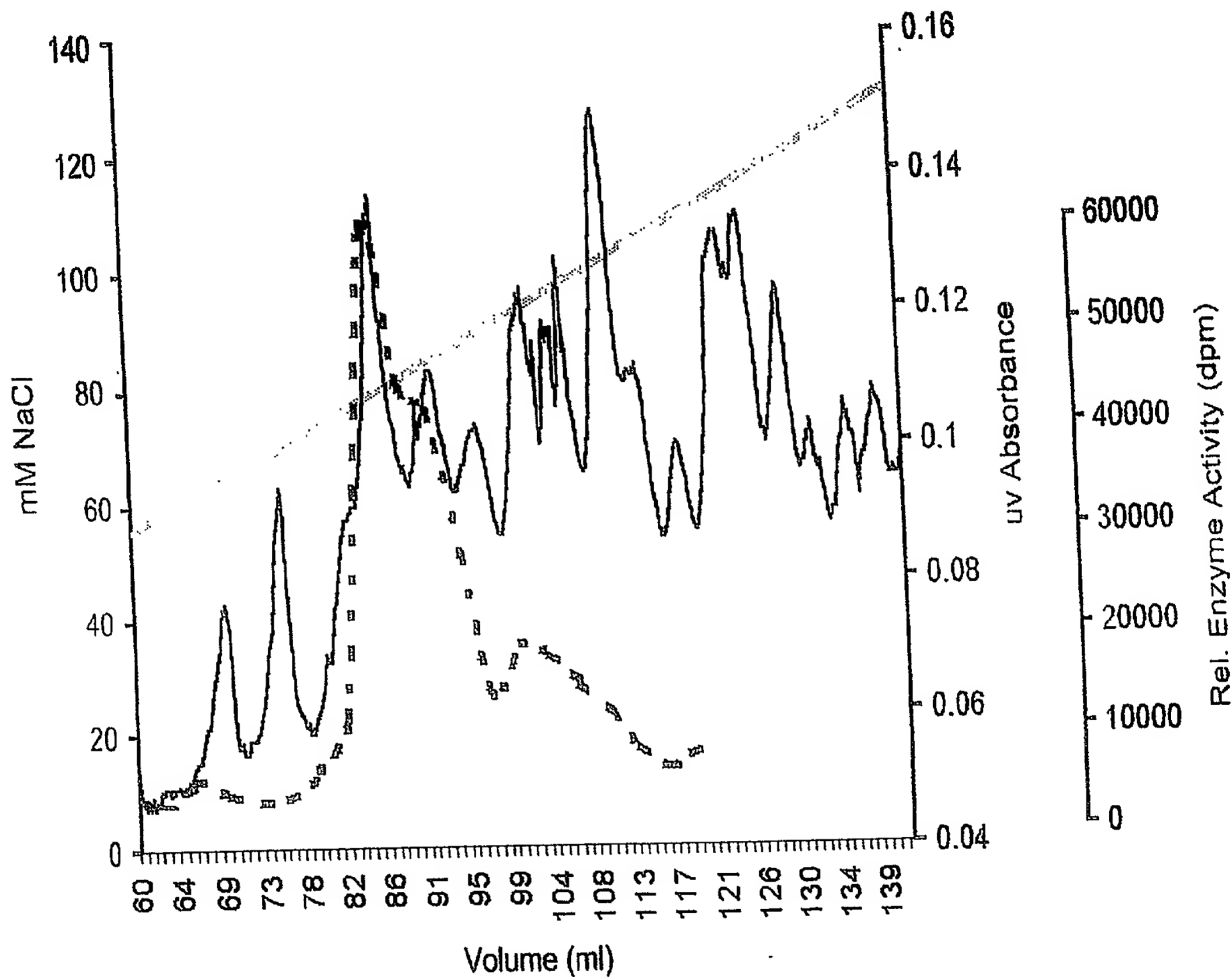


FIG. 1

Tryptic Peptide Fragment	Peptide Sequence
SEQ ID NO: 29	TTLQLSSIDNLPGVR
SEQ ID NO: 30	ILVYYPPFAGR
SEQ ID NO: 31	FTCGGFVVGVSF
SEQ ID NO: 32	KGLAEIARGEVK
SEQ ID NO: 33	NLPNDTNPSSGYYGN

FIG. 2

09/866,570 "09/866,570"



**FIG. 3A**

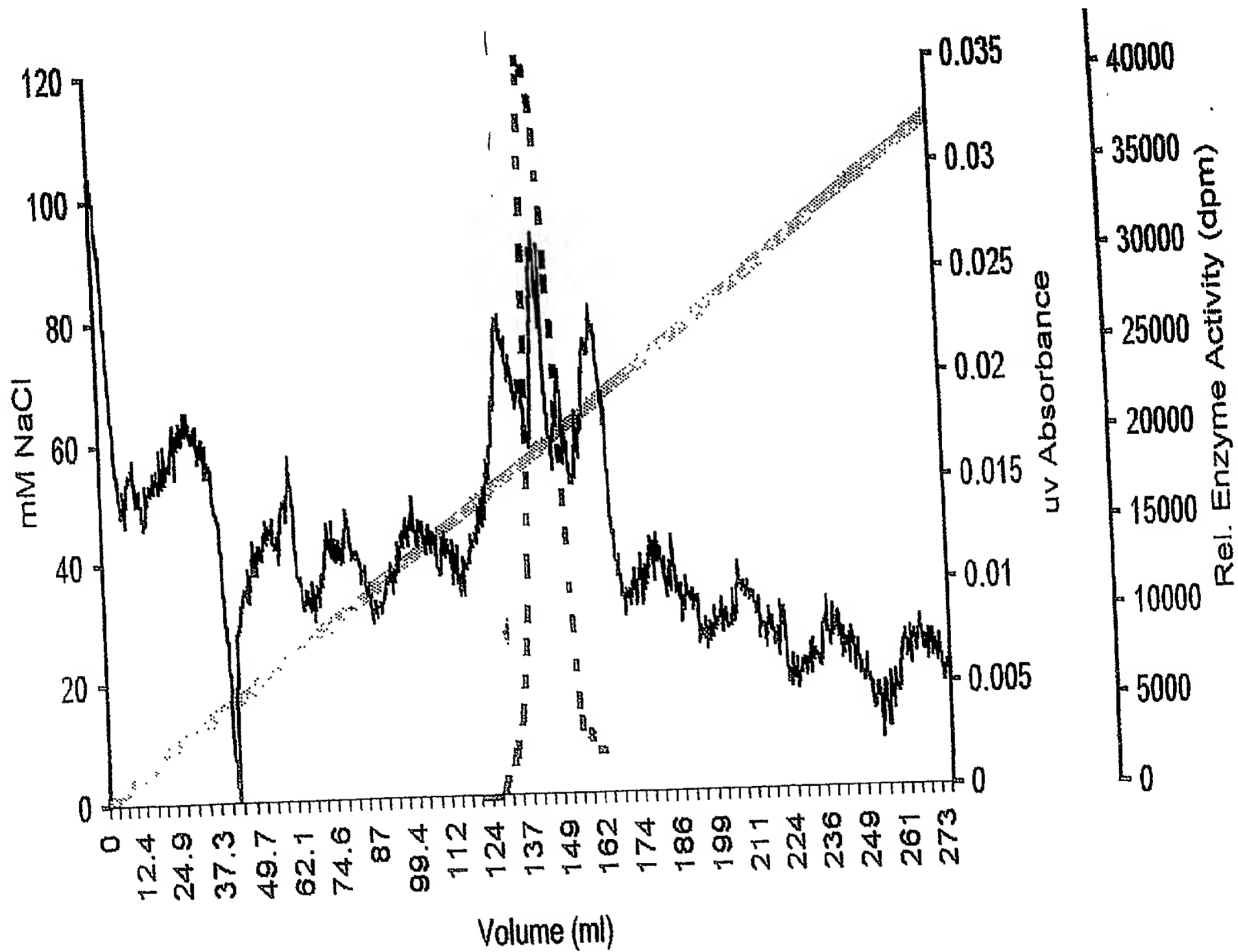


FIG. 3B

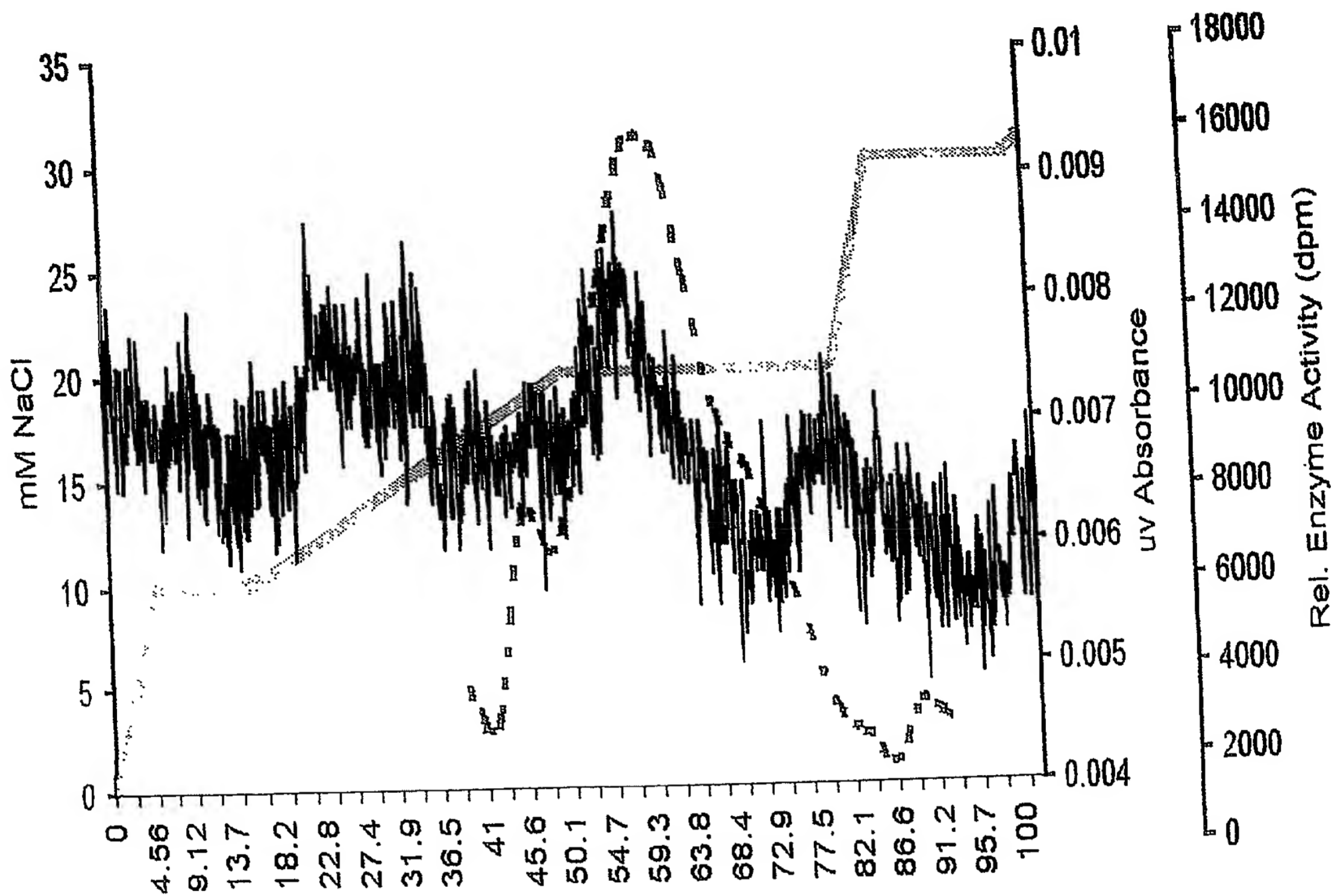


FIG. 3C

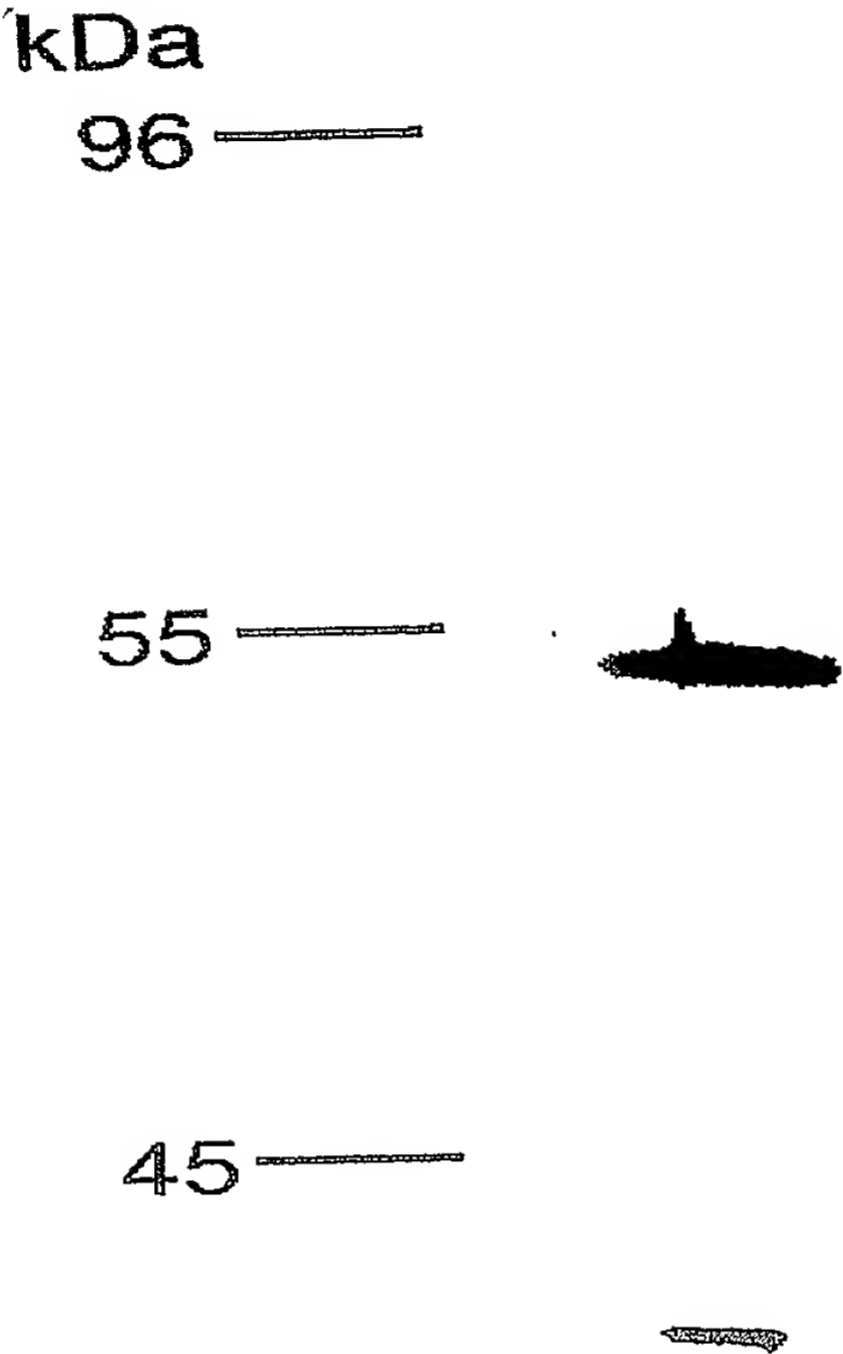


FIG. 3D

FROM PEPTIDE FRAGMENT SEQUENCE 2									
NH2-	I	L	V	Y	Y	P	P	-COOH	
5'	ATI	CTI	GTI	TAT	TAT	CCI	CC	3'	AT-FOR1
		T	C	C	C	C			(SEQ ID NO: 34)
			A			A			

NH2-	Y	Y	P	P	F	A	G	-COOH	
5'	TAT	TAT	CCI	CCI	TTT	GCI	GG	3'	AT-FOR2
	C	C	C	C	C	C			(SEQ ID NO: 35)
			A	A		A			

FROM SEQUENCE HOMOLOGY CONSIDERATIONS									
NH2-	F	Y	P	F	A	G	R	-COOH	
5'	TTC	TAT	CCI	TTC	GCI	GGI	AG	3'	AT-FOR3
	T	C		T	C	C			(SEQ ID NO: 36)
					A	A			

NH2-	Y	Y	P	L	A	G	R	-COOH	
5'	TAC	TAT	CCI	TTI	GCI	GGI	AG	3'	AT-FOR4
	T	C		C	C	C	C		(SEQ ID NO: 37)
					A	A			

NH2-	D	F	G	W	G	K	P	-COOH	
3'	CTA	AAA	CCI	ACC	CCI	TTT	GG	5'	AT-REV1
	G	G	C		C	C			(SEQ ID NO: 38)
			A		A				

FIG. 4

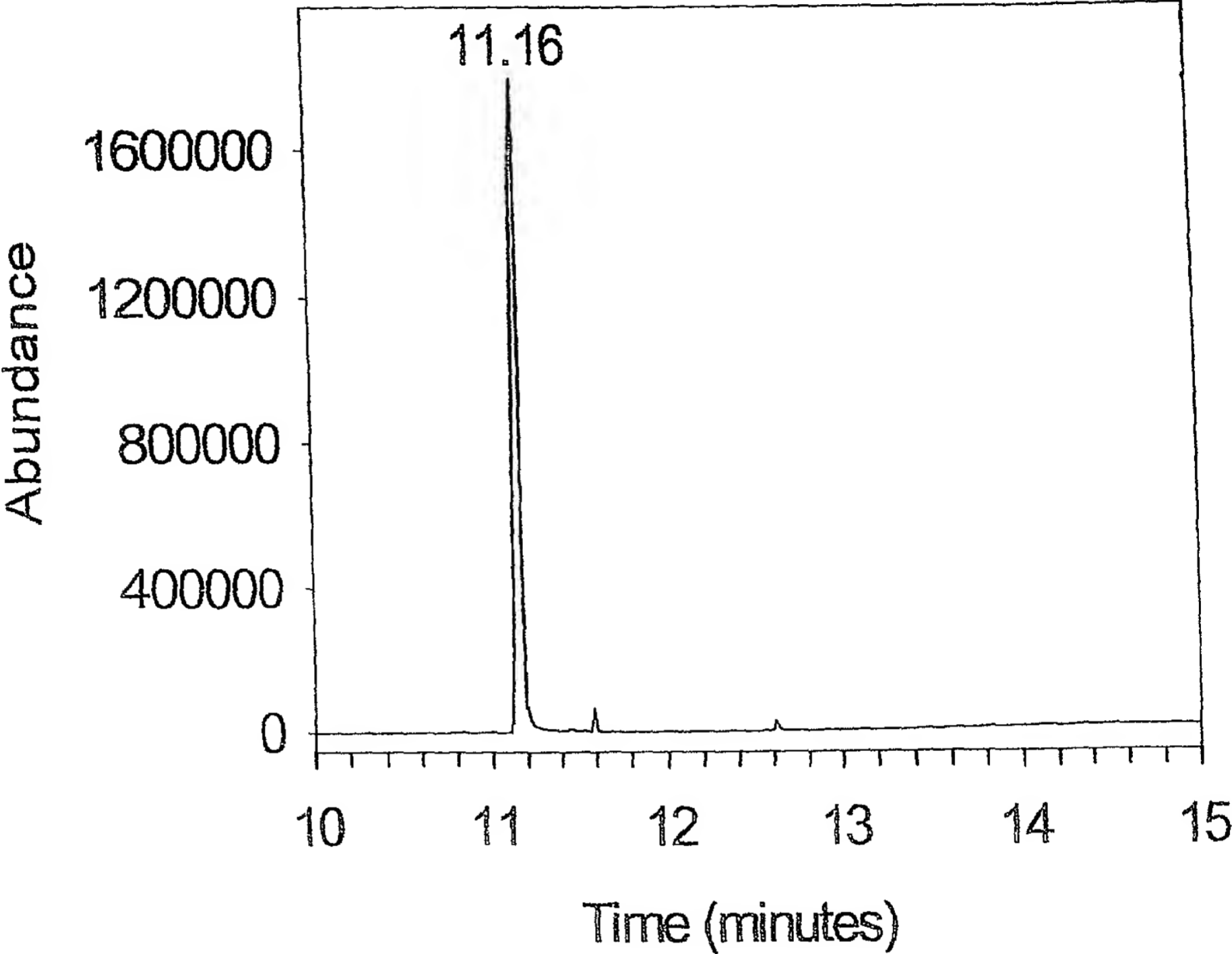


FIG. 5A

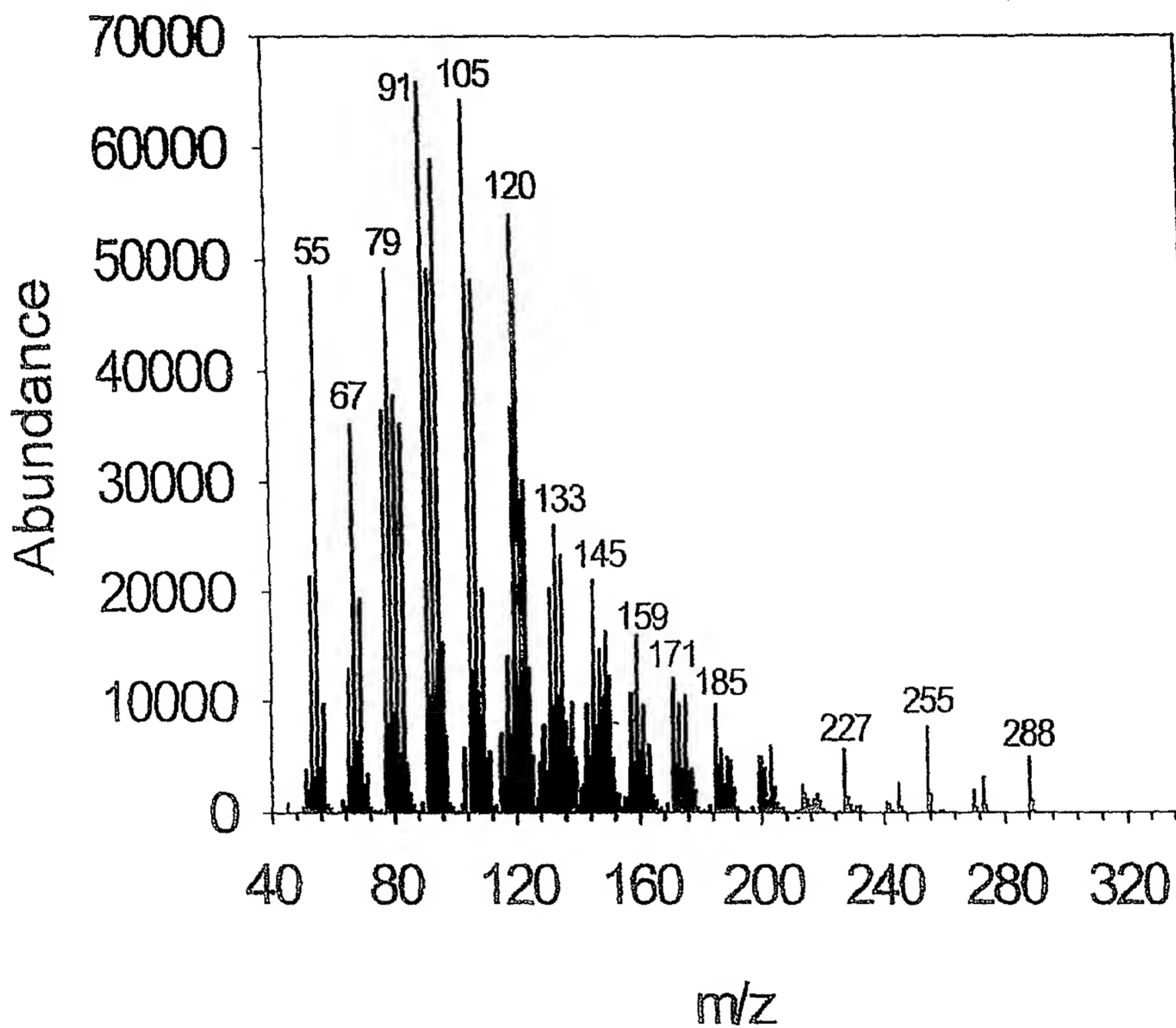


FIG. 5B

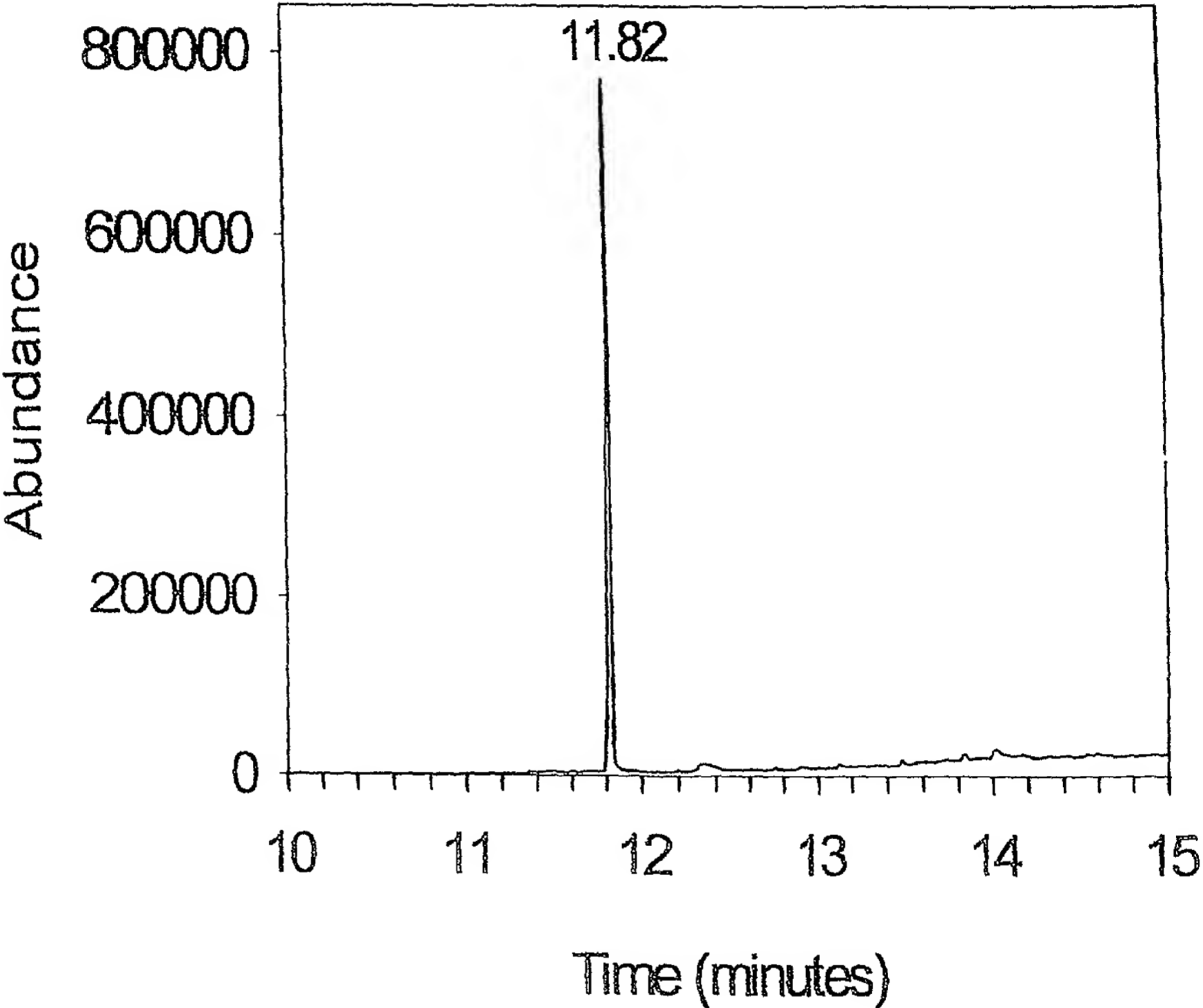
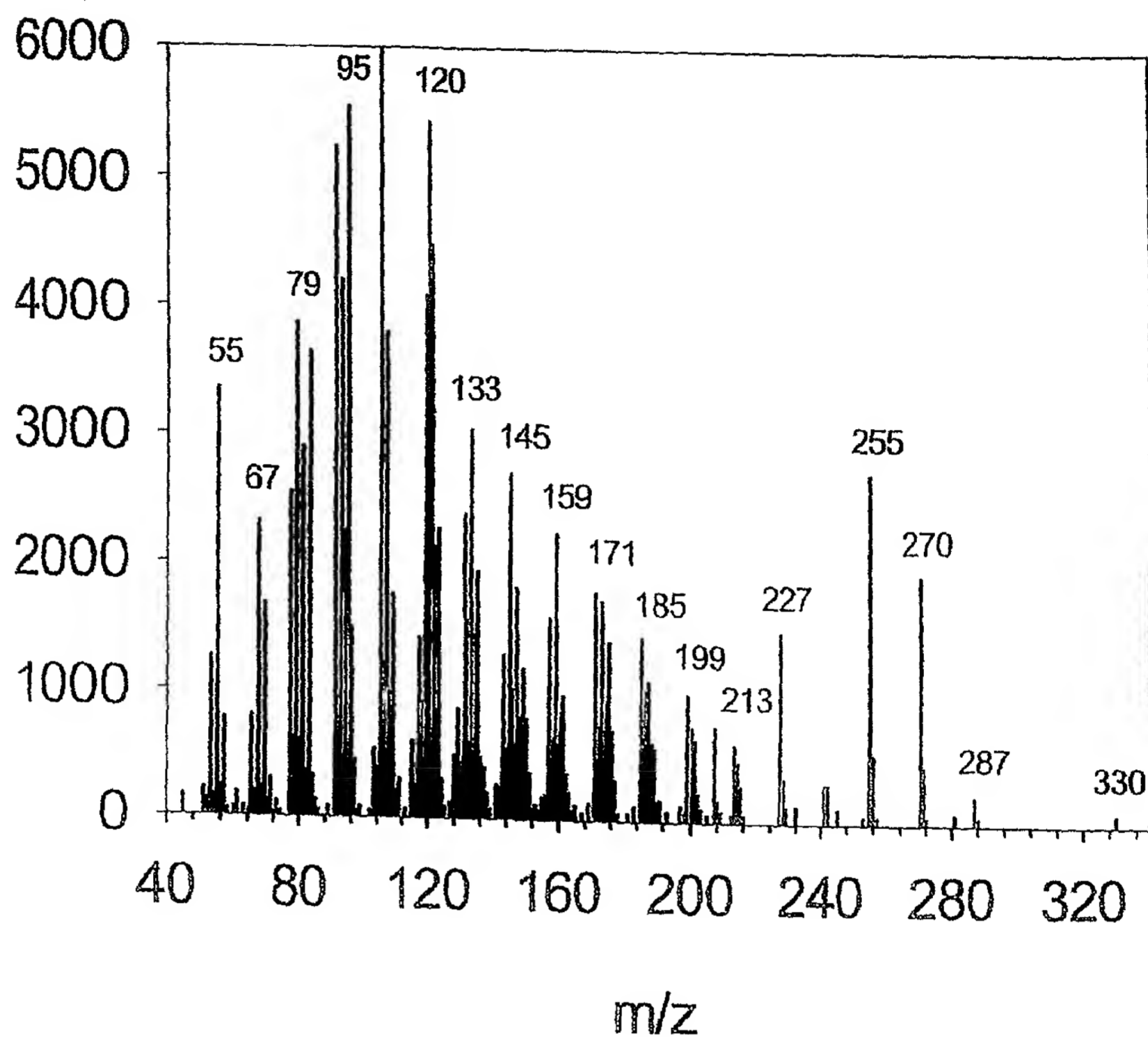


FIG. 5C



**FIG. 5D**

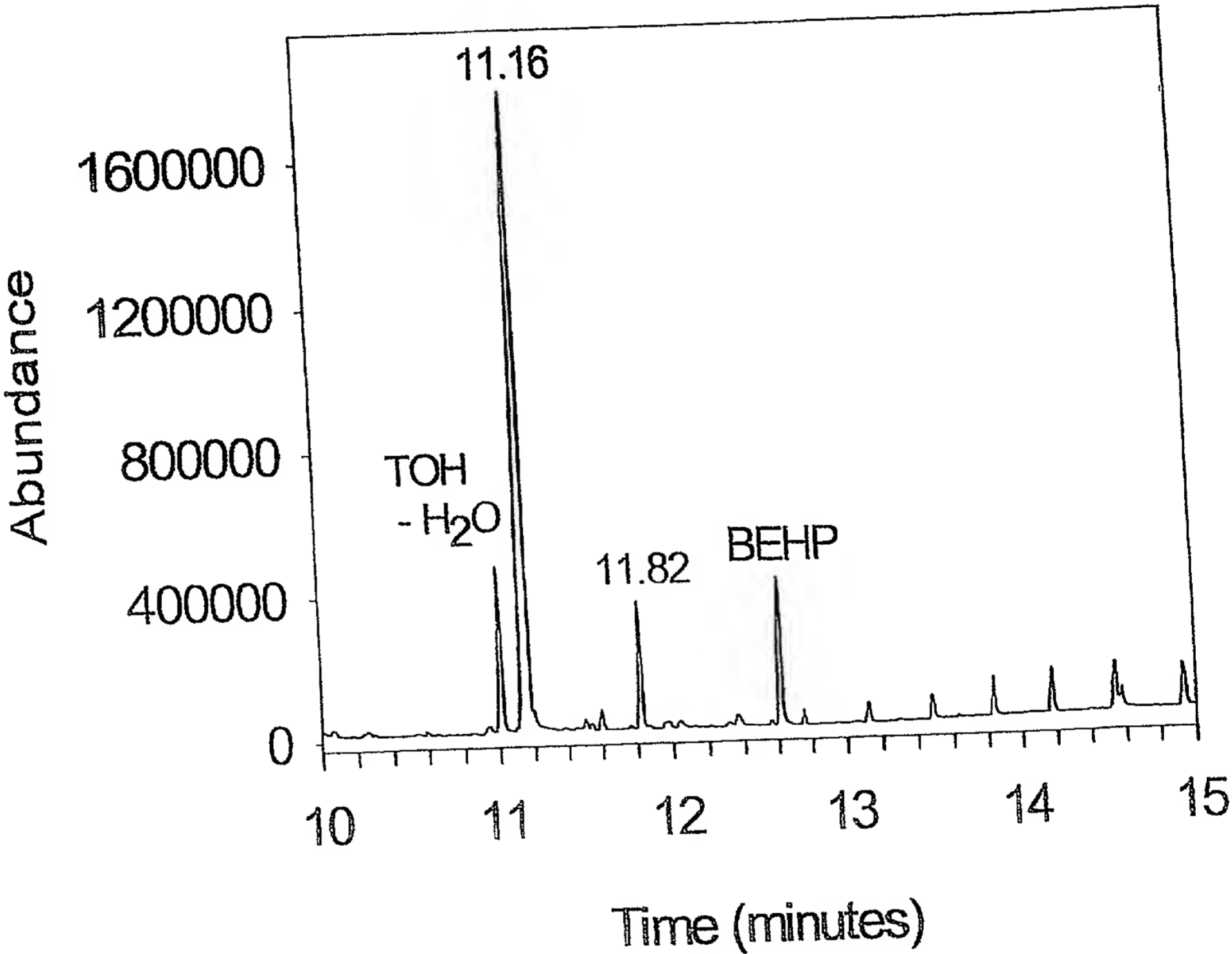


FIG. 5E

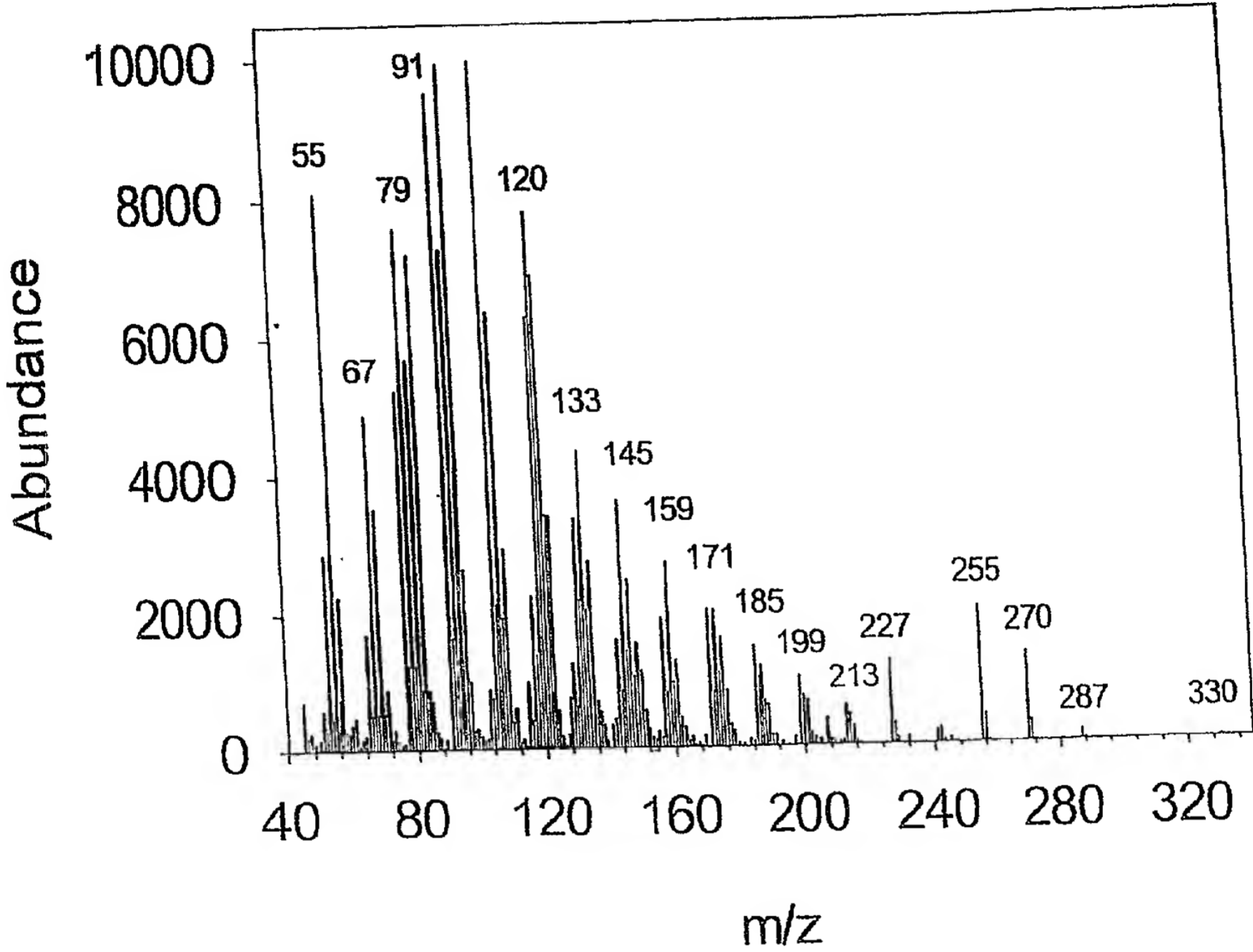


FIG. 5F

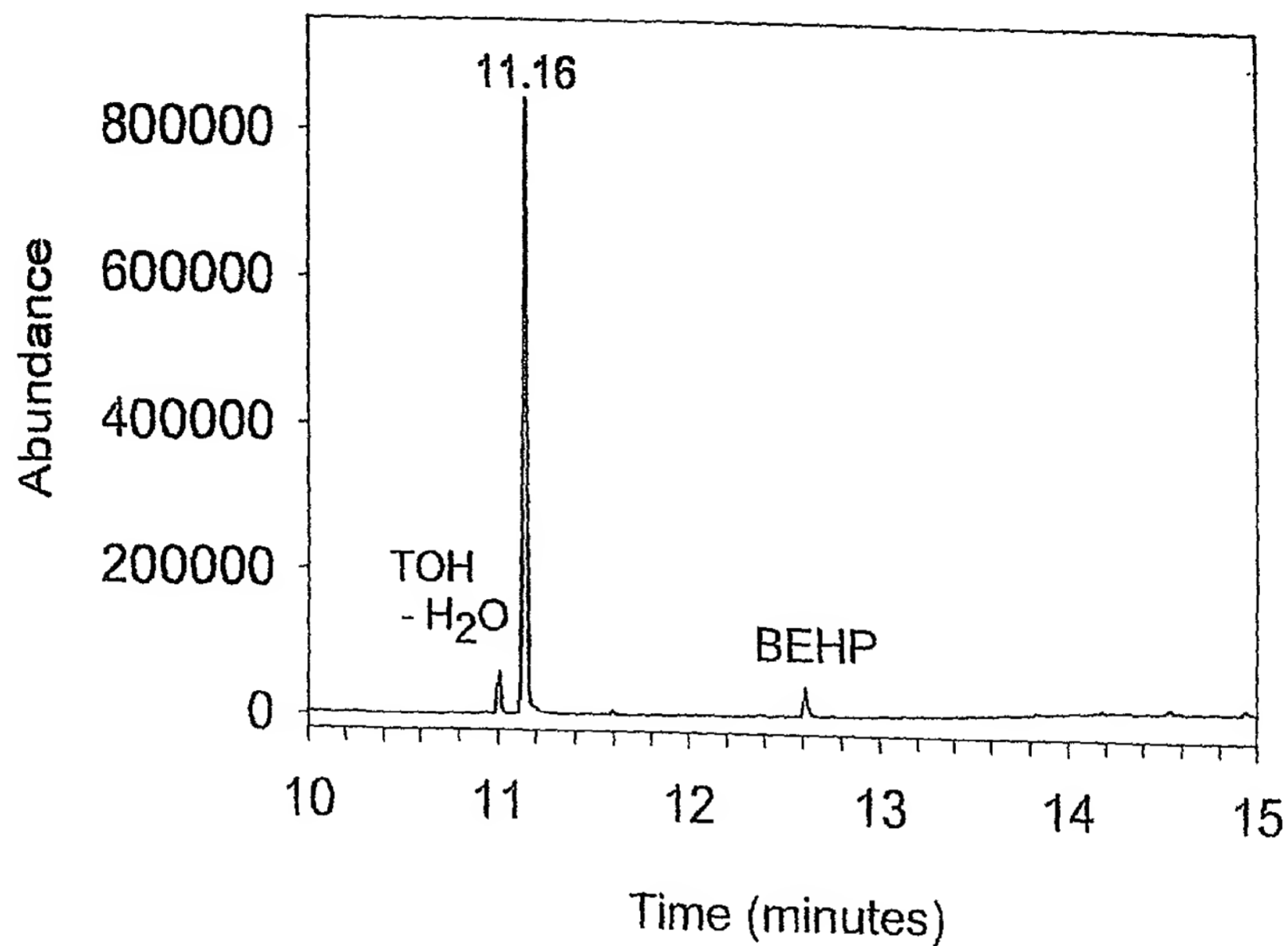


FIG. 5G

FIG. 6A

FIG. 6B

T04260"02593960

TAX1 (SEQ ID NO: 28)	MEKTDLHVNLIEKVMVGESP <del>E</del> L	23
TAX2 (SEQ ID NO: 26)	MGRFNVDMIERVIVAECLQS	21
aab61522 (SEQ ID NO: 61)	MEKNVEILSR <del>E</del> IVK <del>P</del> SS <del>E</del> <del>T</del> <del>E</del>	0
aab61523 (SEQ ID NO: 62)	MPSLEKSVTIIISRNRVF <del>P</del> DQKST	22
aab95293 (SEQ ID NO: 63)	MASCIQELHFTHLHIPVTINQQFLVH <del>P</del> SS <del>E</del> <del>T</del> <del>E</del> ANQ <del>S</del> <del>E</del>	25
aab97723 (SEQ ID NO: 64)	MA <del>S</del> C <del>I</del> Q <del>E</del> LHFTHLHIPVTINQQFLVH <del>P</del> SS <del>E</del> <del>T</del> <del>E</del> ANQ <del>S</del> <del>E</del>	37
aac17079 (SEQ ID NO: 65)	NNPHHTTFILSEN <del>N</del> QMG <del>E</del> AAEQARGFHTTRKQVITAAL <del>E</del> LQ	147
aac18062 (SEQ ID NO: 66)	MGSSYQESPP <del>L</del> LEDLKVTIK <del>E</del> STLIF <del>E</del> SS <del>E</del> <del>T</del> <del>E</del>	20
aac27152 (SEQ ID NO: 67)	MESGKISVETETLSKTLIK <del>E</del> SS <del>E</del> <del>T</del> <del>E</del>	34
aac99311 (SEQ ID NO: 68)	MAPITFRKSYTIV <del>P</del> AE <del>E</del> <del>T</del>	27
aad12025 (SEQ ID NO: 69)	MANQRKPIPLLEKKPV <del>E</del> LVK <del>E</del> SKH <del>T</del> HC	20
caa20531 (SEQ ID NO: 70)	MANQKSS <del>E</del> LVFTVRRQKPEL <del>I</del> AEAK <del>E</del> <del>T</del>	29
caa64636 (SEQ ID NO: 71)	DFS <del>F</del> H <del>V</del> RK <del>C</del> QPEL <del>I</del> AEAN <del>E</del> <del>T</del>	28
caa94432 (SEQ ID NO: 72)	MSIQIKQSTMVR <del>P</del> AE <del>E</del> <del>T</del>	21
cab06427 (SEQ ID NO: 73)	METMTMK <del>V</del> ETISKEI <del>I</del> K <del>E</del> SS <del>E</del> <del>T</del> <del>E</del>	19
cab10318 (SEQ ID NO: 74)	MEAKLEVTGKEV <del>I</del> K <del>E</del> AS <del>E</del> <del>S</del> <del>E</del>	25
cab10319 (SEQ ID NO: 75)	MPMLMATRIDIIQKLNVP <del>R</del> FQN	22
cab40761 (SEQ ID NO: 76)		23

FIG. 6C

104260" 04599860

TAX1 (SEQ ID NO: 28)	K T T L Q L S I D N L P G V R G S I F N A L L I Y N A S P S P T M I S A D P . . . . .	A K P I	66
TAX2 (SEQ ID NO: 26)	K N I L H L S P I D N K T . . . R G L T N I L S V Y N A S Q R V S . V S A D P . . . . .	A K T I	60
aab61522 (SEQ ID NO: 61)	. . . . .	. . . . .	0
aab61523 (SEQ ID NO: 62)	K R I L N L S L L D I L S S P M Y T G A L L F Y A A D P Q N L L G F S T E E T . . . . .	S L K L	65
aab95293 (SEQ ID NO: 63)	D L K L S V S D L P M L S C H Y I Q K G C L F T C P N . . . . . L P L P A L . . . . .	I S H L	62
aab97723 (SEQ ID NO: 64)	H H S L Y L S N L D I I G A R V F T P S V Y F Y P S T N N R E S F V . . . . .	L Y R L	76
aac17079 (SEQ ID NO: 65)	W . . L P L S N L L L P P L N V H V C F C Y K K P . . . L H F T N T V A . . . . .	Y E T L	184
aac18062 (SEQ ID NO: 66)	L Q K L N L S L L D Q I Q I P F Y V G L I F H Y . . . . E T L S D N S D I T . . . . .	L S K L	58
aac27152 (SEQ ID NO: 67)	R K S M F L S N V D Q I L N . . . F D V Q T V H F F R P N K E F P P E M V . . . . .	S E K L	72
aac99311 (SEQ ID NO: 68)	L S R Y N L S Y N D Q N I Y Q T C V S V G F F Y E N P D G I E I S T I R E . . . . .	Q L	66
aad12025 (SEQ ID NO: 69)	G R F P L A E W D Q V . . G T I T H I P T L Y F Y D K P S E S F Q G N V . . . . .	V E I L	58
caa20531 (SEQ ID NO: 70)	E T L S L S T L D N D P F N E V M Y A T I Y V F K A N G K N L D . . . . D P . . . . .	V S L L	67
caa64636 (SEQ ID NO: 71)	R E T K F L S D I D D Q E G L R . . . F Q I P V I Q F Y H K D S S M G R K D P . . . . .	V K V I	68
caa94432 (SEQ ID NO: 72)	Y E F K Q L S D V D D Q Q S L R . . . L Q L P F V N I Y P H N P S L E G R D P . . . . .	V K V I	61
cab06427 (SEQ ID NO: 73)	K S L W L S N I D M I L R T P Y S H T G A V L I Y K Q P D N N . E D N I H P S S S M Y F D A N I L	F D A N I L	67
cab10318 (SEQ ID NO: 74)	L Q T L Q L S I Y D H I L P P V Y T V A F L F Y T K N D L . . . . I S Q E H T . . . . .	S H K L	64
cab10319 (SEQ ID NO: 75)	R . . L Q L S I L D L Y C P G I Y V S T I F F Y . . . . D L I T E S S E V F . . . . .	S E N L	58
cab40761 (SEQ ID NO: 76)	H D K K K L I T L S N L D R Q C P L L M Y S V F F Y K N T T T R D F D S V . . . . .	F S N L	64

FIG. 6D

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TAX1 (SEQ ID NO: 28) REAALAKILVYYPPEA~~GERL~~. RETENGDL~~VECTGE~~. GAMFL~~AMADNE~~LSV 114  
TAX2 (SEQ ID NO: 26) REAALSKVLVYYPPEA~~GERL~~. RNTENGDL~~VECTGE~~. GAVFV~~AMADND~~LSV 108  
aab61522 (SEQ ID NO: 61) . . . . . FVE~~CND~~GA~~VFIEARV~~DH. L~~LS~~E 108  
aab61523 (SEQ ID NO: 62) KKSLSKTLP~~IFYP~~LA~~GR~~II. GS. . . . . FVE~~CND~~GA~~VFIEARV~~DH. L~~LS~~E 111  
aab95293 (SEQ ID NO: 63) KHSLSITLTH~~FP~~LA~~GR~~LS. TSSSGHVFL~~TCND~~AGA~~DFVFAQA~~KSIHVSD 125  
aab97723 (SEQ ID NO: 64) QDALSEVLV~~YP~~LS~~GR~~L. REVEN~~GKLEVF~~FE~~GEQGVLMV~~SSMD~~LA~~D 232  
aac17079 (SEQ ID NO: 65) KTAALAE~~TLV~~SV~~Y~~AA~~AE~~ELV. TNP~~TGEPEILC~~N~~RGVD~~FE~~AGAD~~. V~~EL~~HQ 103  
aac18062 (SEQ ID NO: 66) ESSLS~~ETL~~TL~~Y~~YHV~~AE~~RYN. GT. . . . . DCV~~IECND~~Q~~GIGY~~VE~~TA~~FD. V~~EL~~HQ 121  
aac27152 (SEQ ID NO: 67) RKALVKLM~~DA~~YEEFL~~AG~~RLRVDP~~SSGR~~LDV~~DC~~NGA. GAGFV~~TA~~ASD~~YTL~~EE 110  
aac99311 (SEQ ID NO: 68) QNSLSKT~~LV~~SV~~Y~~Y~~PE~~FA~~CK~~VV. KN. . . . . DY. IH~~CND~~D~~GIEF~~VE~~VR~~I. RCR~~MND~~ 106  
aad12025 (SEQ ID NO: 69) KTSLSRV~~LV~~VH~~Y~~Y~~PE~~MA~~GR~~LR~~WLP~~. RGRFEL~~NC~~NAE. GVEF~~IE~~AESE~~GK~~LS 116  
caa20531 (SEQ ID NO: 70) RKALS~~EL~~LVH~~Y~~Y~~PE~~LS~~GKLM~~RES~~ESNGK~~LQ~~LV~~LG~~E~~. GVPF~~EV~~AST~~STLD~~LS 116  
caa64636 (SEQ ID NO: 71) KKAIAET~~LV~~VF~~Y~~Y~~PE~~FA~~GR~~L. REGN~~GRKLM~~VD~~CTG~~E. GIMFV~~DA~~DV~~SL~~EE 109  
caa94432 (SEQ ID NO: 72) KEAIGKAL~~V~~FF~~Y~~Y~~PE~~LA~~GR~~L. REGP~~GRKLF~~VE~~CTG~~E. GILF~~IE~~AE~~SSHV~~LE 114  
cab06427 (SEQ ID NO: 73) IEALS~~KAL~~V~~FP~~Y~~PE~~MA~~GR~~LK. IN. GDRY~~IEDC~~NAE. GALFV~~AE~~SS~~HN~~CP~~LE~~TE 108  
cab10318 (SEQ ID NO: 74) KTSLS~~ETL~~TK~~Y~~Y~~PE~~LA~~GR~~IT. GV. . . . . TVD~~CTD~~GA~~IFV~~DAR~~VNN~~CT~~LE~~PD 101  
cab10319 (SEQ ID NO: 75) KLSLS~~ETL~~SR~~Y~~Y~~PE~~LA~~GR~~IE. GL. . . . . SIS~~CND~~GA~~VF~~TE~~ARTD~~L. L~~LP~~D 114  
cab40761 (SEQ ID NO: 76) KLGLEETMSV~~WY~~Y~~PE~~AA~~GR~~LGLDGG~~CKLN~~IR~~CND~~GGAV~~ME~~AVAT~~GV~~K~~LS~~E

FIG. 6E

TABLE "DLS955"

TAX1 (SEQ ID NO: 28)	LG D . F D D S N P S F Q . Q L L F S L P L D T N F . . . . . K D L S L L V V Q V T R T C G . G F	156
TAX2 (SEQ ID NO: 26)	L Q D . F N E Y D P S F Q . Q L V F N L R E D V N I . . . . . E D L H L L T V Q V T R T C G . G F	150
aab61522 (SEQ ID NO: 61)	I L E N . P N P N . E L N K L H P F E F H E V S D V P . . . . . L T V Q L T F F E C G . G L	41
aab61523 (SEQ ID NO: 62)	F L K C . P V P E . S L E L L I P . . . . . V E A K S R E . . . . . A V T W P V L L I Q A N F F S C G . G L	149
aab95293 (SEQ ID NO: 63)	V I A G I D V P D . V V K E F F T Y D R . . . . . A V S Y E . . . . . G H N R P I L A V Q V T E L N . . D G V	153
aab97723 (SEQ ID NO: 64)	L G D L T V P N P A W L P L I F R N P G E E A Y K I . . . . . L E M P L L I A Q V T F T C G . G F	169
aac17079 (SEQ ID NO: 65)	L N L Y . D P D E . S I A K L V P I K K H G . . . . . V I A I Q V T Q L K C G . S I	266
aac18062 (SEQ ID NO: 66)	F L L G . E E S N . N L D L L V G L . . . . . S G F L S E . . . . . T E T P P L A A I Q L N M F K C G . G L	144
aac27152 (SEQ ID NO: 67)	L G D . L V Y P N P A F A Q L V T S Q L Q . S L P K D . . . . . D Q P L F V F Q I T S F K C G . G F	163
aac99311 (SEQ ID NO: 68)	I L K Y . E L R S . Y A R D L V L P K R V T V G S E D . . . . . T T A . . . . . I V Q L S H F D C G . G L	150
aad12025 (SEQ ID NO: 69)	F K D . F S . P T P E F E N L M . P Q V N Y K N P I E . . . . . T I P L F L A Q V T F K K C G . G I	147
caa20531 (SEQ ID NO: 70)	L N . . . . . Y I E N L D D Q V A L R L V P E I E I D Y E S N V C Y H P L A L Q V T F K F A C G . G F	180
caa64636 (SEQ ID NO: 71)	F G D E L Q P P F P C L E . E L L Y D V P D S A G V . . . . . L N C P L L L I Q V T R L R C G . G F	159
caa94432 (SEQ ID NO: 72)	F W D T L P Y S L S S M Q N N I I H N A L N S D E V . . . . . L N S P L L L I Q V T R L K C G . G F	153
cab06427 (SEQ ID NO: 73)	F G D . F R . P N D E L H R V M V P T C D Y S K G I S . . . . . S F P L L L M V Q L T R F R C G . G V	156
cab10318 (SEQ ID NO: 74)	F L K C . P D F D . A L Q Q L L P L D V D N P Y V A . . . . . A A T W P L L L V K A T Y F G C G . G M	152
cab10319 (SEQ ID NO: 75)	F L R N . L N T D . S L S G F L P T L A A G E . . . . . S . . . . . P A A W P L L S V K V T F F G S G V	143
cab40761 (SEQ ID NO: 76)	L G D L T Q Y N E F Y E N L V Y K P S L D G D F S V . . . . . M P L V V A Q V T R F A C G . G Y	156

FIG. 6F

T04260" 0239360

TAX1 (SEQ ID NO: 28)	V V G V S F H H G V C D G R G A A Q F L K G L A E M A R . G E V K L S . . . . .	L E P I W	195
TAX2 (SEQ ID NO: 26)	V V G T R F H H S V S D G K G I G Q L L K G M G E M A R . G E F K P S . . . . .	L E P I W	189
aab61522 (SEQ ID NO: 61)	A L G I G L S H K L C D A L S G L I F V N S W A F A R G Q T D E . . . . .	I I T P S F	80
aab61523 (SEQ ID NO: 62)	V I T I C V S H K I T D A T S L A M F I R G W A E S S R G . . . . .	G I T L I P S F	187
aab95293 (SEQ ID NO: 63)	F I G C S V N H A V T D G T S L W N F I N T F A E V S R G A K N V T . . . . .	R Q P D F T R E S V L	198
aab97723 (SEQ ID NO: 64)	S L G I R L C H C I C D G F G A M Q F L G S W A A T A K T G K L I A D . . . . .	P E P V W	209
aac17079 (SEQ ID NO: 65)	V V G C T F D H R V A D A Y S M N M F L L S W A E I S R S D V P I . . . . .	S C V . . P S F	305
aac18062 (SEQ ID NO: 66)	V I G A Q F N H I G D M F T M S T F M N S W A K A C R V G I K E . . . . .	V A H P T F	183
aac27152 (SEQ ID NO: 67)	A M G I S T N H T T F D G L S F K T F L E N L A S L L H . . E K P L S . . . . .	T P P C N	201
aac99311 (SEQ ID NO: 68)	A V A F G I S H K V A D G G T I A S F M K D W A S A C Y L S S . . . . .	H H V P T P L L	191
aad12025 (SEQ ID NO: 69)	S L S V N V S H A I V D G Q S A L H L I S E W G R L A R . . G E P L E . . . . .	T V P F L	185
caa20531 (SEQ ID NO: 70)	T I G T A L T H A V C D G Y G V A Q I I H A L T E L A . A G K T E P S . . . . .	V K S V W	199
caa64636 (SEQ ID NO: 71)	I F A L R L N H T M S D A P G L V Q H M T A V G E M A R . G G S A P S . . . . .	I L P V W	198
caa94432 (SEQ ID NO: 72)	I F G L C F N H T M A D G F G I V Q H M K A T A E I A R . G A F A P S . . . . .	I L P V W	192
cab06427 (SEQ ID NO: 73)	S I G F A Q H H V C D G M A H F E F N N S W A R I A K . . G L L P A . . . . .	L E P V H	194
cab10318 (SEQ ID NO: 74)	A I G I C I T H K I A D A A S I S T F I R S W A A T A R G E N D A . . . . .	A A M E S P F	193
cab10319 (SEQ ID NO: 75)	A V S V S H K I C D I A S L V T F V K D W A T T A K G K S N . . . . .	S T I E . . . F	181
cab40761 (SEQ ID NO: 76)	S I G I G T S H S L F D G I S A Y E F I H A W A S N S H I H N K S N S K I T N K K E D V V I K P V H		201

FIG. 6G

TABLE 6H

TAX1 (SEQ ID NO: 28)	NRELVKLD	DP	KYLQFF	EF	EF	LRAP	SIV	EKIVQ	227
TAX2 (SEQ ID NO: 26)	NREMVKPE	DI	MYLQFD	DF	FI	HPP	LN	EKSIQ	221
aab61522 (SEQ ID NO: 61)	D LAKMFP	CDIEN		LN	MA	TGITKE	NIV		107
aab61523 (SEQ ID NO: 62)	TASEVF	KPLDEL		PS	KPM	DRKEE	VEEMS	CVT	218
aab95293 (SEQ ID NO: 63)	ISP AVLK	VPQGGPK	VTFDEN	AP	LRER	IF	SF	RESIQELKAVV	243
aab97723 (SEQ ID NO: 64)	DETFKPR	NP	PMVKYP	H	EY	LP	IE	ERSNL	249
aac17079 (SEQ ID NO: 65)	RSLLNPR	RRPLVMD	PSIDQI	YMP	VTSL	PP	QETNP	ENLLAS	347
aac18062 (SEQ ID NO: 66)	GLAPLM	PSAKVLN		IP	PP	PS	FEG	VKEVS	210
aac27152 (SEQ ID NO: 67)	DTLLKAR	DP	PS	VAF	P	H	EL	VKFQD	216
aac99311 (SEQ ID NO: 68)	VSDSIF	PRQDNII		CE	Q	F	P	T	232
aad12025 (SEQ ID NO: 69)	DKILWAG	EPLPPE	VSPPK	F	D	H	K	EF	237
caa20531 (SEQ ID NO: 70)	QERLVG	KIDNKP		GK	V	P	G	S	236
caa64636 (SEQ ID NO: 71)	CELLNAR	NP	PQ	V	T	C	T	H	230
caa94432 (SEQ ID NO: 72)	QRAL	TAR	DP	PR	I	T	F	R	235
cab06427 (SEQ ID NO: 73)	DYHL	RPRNPP	QI	K	Y	S	H	S	221
cab10318 (SEQ ID NO: 74)	AGAN	FYP	PAN	EAF					213
cab10319 (SEQ ID NO: 75)	AETT	IY	PP	PP	SHM				256
cab40761 (SEQ ID NO: 76)	DRNL	LVNR	DAV	RET	N	A	A	I	

FIG. 6H

Figure 61

TAX1 (SEQ ID NO: 28)	TYEIIIDFETIN YIKQSV. MEEC.....	KEE	251
TAX2 (SEQ ID NO: 26)	ASMVISFERIN YIKRCM. MEEC.....	KEE	245
aab61522 (SEQ ID NO: 61)	RRFVFLRSSVESL RERFSGNK.....	KIR. AT	133
aab61523 (SEQ ID NO: 62)	KRRVFVDASKIKKLR AK. ASRN.....	LVKNPT	244
aab95293 (SEQ ID NO: 63)	KWLTVDNGEIDGVELLGKQSN DKLNKGKNGILTEMLES LFGRND AVSKPV		293
aab97723 (SEQ ID NO: 64)	KCYRISK EEFQCRVK SIA. QGED.....	PTL	273
aac17079 (SEQ ID NO: 65)	RIYYIKANALQE LQT LASSKN.....	GKRT	373
aac18062 (SEQ ID NO: 66)	KRRVFENENATRLRKEATEEDGDGDD.....	DQKKRPS	244
aac27152 (SEQ ID NO: 67)	KIKLSSSEQIKK LKERA.. SET.....	SNG	265
aac99311 (SEQ ID NO: 68)	KTFIFPPEAE LKSKAVEFG.....	IEKPT	242
aad12025 (SEQ ID NO: 69)	VMLPLSTSQLQK LRSKANGSKH.....	SDP	257
caa20531 (SEQ ID NO: 70)	ETINIRAGD LKRLKDSM. MKEC.....	EYL	261
caa64636 (SEQ ID NO: 71)	KSEFFGPPSEVSA LRRFV. PHHL.....	RK.	259
caa94432 (SEQ ID NO: 72)	QLFFFSQLQ LSTLRQTL. PAHL.....	HD.	253
cab06427 (SEQ ID NO: 73)	TLFILSREQ LNTLKQLDLSNN.....	TTR	260
cab10318 (SEQ ID NO: 74)	KRRVFVEASKVED LRTKAASEE.....	TVDQPT	248
cab10319 (SEQ ID NO: 75)	KRRVFVEPSK LAELKHKAASES.....	VVPPT	239
cab40761 (SEQ ID NO: 76)	KTFEELNGDA L ESMKKKSL EG.....		276

FIG. 61

Figure 6J

TAX1 (SEQ ID NO: 28)	. CS . . . SFEVASAMTWIARTRAEQIPESEY . . . . .	VKILFGMDMNSFN	291
TAX2 (SEQ ID NO: 26)	. FS . . AFEVVALLIWLARTKSFRIPPNEY . . . . .	VKIIFFIDMNSFD	285
aab61522 (SEQ ID NO: 61)	RVE . . . . VLSVFEIWSRF . . MASTNHDDKTKGIYT . . .	LIHPVNLBRQAD	173
aab61523 (SEQ ID NO: 62)	RVE . . . . AVTALLFEWBCV . . TKVSRLLSSTPRTSV . . .	LQILVNLBGKVD	284
aab95293 (SEQ ID NO: 63)	AVEISSFEQSLCLLWBAITRAKKLPSSKTT . . . . .	FRMAVNCBHSLS	336
aab97723 (SEQ ID NO: 64)	VCS . . TFDAMAAHIWRSWVKALDVKPLDYN . . . . .	LRLTFSVNVRTBLE	315
aac17079 (SEQ ID NO: 65)	KLE . . . . SFSALLWKLVAEHAAKDPVPIKTSK . . . . .	LGIVDGRRRLM	413
aac18062 (SEQ ID NO: 66)	RVD . . . . LVTALLSKSLIEMDCAKKEQTKSRPSL . . . . .	MVHMMNLLBKBT	286
aac27152 (SEQ ID NO: 67)	NVRVTGFNVVTLVWRCKALSVAAEEGET . NLERESTILYAVDIGBL .	313	
aac99311 (SEQ ID NO: 68)	RVE . . . . VLTALLFLSRCATVAGKSAKNNCGQSLPFVLPQAINLBPIL	287	
aad12025 (SEQ ID NO: 69)	AKGFTTRYETVTGHVWRCAKARGHSP EQPT . AL . . . . .	GICIDTBSM .	299
caa20531 (SEQ ID NO: 70)	KESFTTYEVLSSYIWKLRSRALKLNPDGIT . . . . .	V . LGVAVGIRHVLD	304
caa64636 (SEQ ID NO: 71)	. CS . . TFEILLTALLVLRCTRMTSLKPDPEEE . . . . .	VRALCIYNABSFEN	299
caa94432 (SEQ ID NO: 72)	. CP . . SFEVLTAYVWRRLRTIALQFKPEEE . . . . .	VRFLCVMNLSKID	293
cab06427 (SEQ ID NO: 73)	. . . . LSTYEVVAHVWRSSVSKARGLSDH EEI . KL . . . . .	IMPVDDGSSIN	300
cab10318 (SEQ ID NO: 74)	RVE . . . . SVTALLIWKCF . . VASSK . . . . TTCDHKV . . .	LVQLANLRSKIP	286
cab10319 (SEQ ID NO: 75)	RVE . . . . . AIMSLLIWRCA . . RNSSRSNLLIPRQAV . . . .	MWQAMDILRLIP	279
cab40761 (SEQ ID NO: 76)	. FMCSSFEFLAAHLWKARTRALGLRRDA . . . . .	MVCLQFAVDIRKRT	318

FIG. 6J

FIG. 6K

TAX1 (SEQ ID NO: 28) P . P L P S G Y Y G N S I G T A C A V D N V Q D . . L L S G . S L L R A I M I I K S K V S L . . . 334  
TAX2 (SEQ ID NO: 26) S . P L P K G Y Y G N A I G N A C A M D N V K D . . L L N G . S L L Y A L M L I K S K F A L . . . 328  
aab61522 (SEQ ID NO: 61) P . D I P D N M F G N I M R F S V T V P M M I I N . . E N D E E K A S L V D Q M R E E I R K I . . . 217  
aab61523 (SEQ ID NO: 62) S . L C E N T I G N . M L S L M I . . L K N E E . . A A I E R I Q D V V D E I R R A E I F . . . 324  
aab95293 (SEQ ID NO: 63) P . K L N P E Y F G N A I . . . . . Q S V P T F A T A A E V L S R D L K W C . . . 368  
aab97723 (SEQ ID NO: 64) T L K L R K G F Y G N V L S V P F G G Q R I D D L I S K P L S W T E E V H R F L K . . . . . 359  
aac17079 (SEQ ID NO: 65) E . K E N N T Y F G N V L S V P F G G Q R I D D L I S K P L S W T E E V H R F L K . . . . . 455  
aac18062 (SEQ ID NO: 66) L . A L E N D V S G N F F . . . . . I V V N A . . E S K I T V A P K I T D L T E S L G S A . . . 323  
aac27152 (SEQ ID NO: 67) N P E L P P S Y T G N A V L T A Y A K E K C K A . . L L E E . P F G R I V E M V G E G S K R I . . . 357  
aac99311 (SEQ ID NO: 68) . . . L P Q N S V G N A T L D V V A A S T S G E . . L I S N . E L G F A A S L I S K A I K N V . . . 331  
aad12025 (SEQ ID NO: 69) E P P L P R G Y F G N A Y I D V Y V E L T V R E . . L E E S . S I S N I A N R V K K A K T A Y E K 343  
caa20531 (SEQ ID NO: 70) P . P L P K G Y Y G N A F A F P V A V T T A A K . . L S K N . P L G Y A L E L Y K K T S D V . . . 350  
caa64636 (SEQ ID NO: 71) P . P L P T G Y Y G N A V V P A V I T T A A K . . L C C G N . P L G Y A V D L I R K A K A . . . 342  
caa94432 (SEQ ID NO: 72) I . P L . . G Y Y G N A V V P A V I T T A A K . . L S C N . P L T D T A G K V Q E A L K G L . . . 334  
cab06427 (SEQ ID NO: 73) N P S L P K G Y C G N V V F L A V C T A T V G D . . L S C N . P L T D T A G K V Q E A L K G L . . . 344  
cab10318 (SEQ ID NO: 74) S . L L Q E S S I G N L M E S S V V . . L S I G R . . G G E V K I E E A V R D L R K K E E L . . . 328  
cab10319 (SEQ ID NO: 75) S . S V A P K D V I G N L Q S G F S . . L K K D A . . E S E F E I P E I V A T F R K N E E R V . . . 321  
cab40761 (SEQ ID NO: 76) T . P L P E G F S G N A Y V L A S V A S T A R E . . L L E E L T L E S I V N K I R E A K S I . . . 362

FIG. 6K

TABLE 1

TAX1 (SEQ ID NO: 28)	..NDNF.KSRRAVVKPSELVDN.....MNHENVVAFADW SRL	367
TAX2 (SEQ ID NO: 26)	..NENF.KSRILTTPSTLDAN.....MKHENVVGCDDWRNL	361
aab61522 (SEQ ID NO: 61)	..DAVYVKKLQEDNRGHL.....EFLNKQASGEVNGEIVSFSTSLCKF	259
aab61523 (SEQ ID NO: 62)	..S...LNCKEMSKSSRIFFELLEIG.KVYGRG...NEMDLWMSNCKL	366
aab95293 (SEQ ID NO: 63)	..ADQLNQVAAHQDGRIRSVADWEANPRCFPLGNADGASVTMGSSPRF	416
aab97723 (SEQ ID NO: 64)	..SELYLRSMVDYVDVKRPKR.....LEFGKLTITQWTRF	393
aac17079 (SEQ ID NO: 65)	..SVTKEHFLNLIWDVETCRPTPAVSRIYVSGSDDGPAFVVSGRSF	500
aac18062 (SEQ ID NO: 66)	..CGEIISEVAKVDDAEVSSMVLSVREFFYEWGKGKKNVFLYTSSWKL	371
aac27152 (SEQ ID NO: 67)	..TDEYARSAIDWGEELYKG.....FPHGEVLVSSTWCRF	388
aac99311 (SEQ ID NO: 68)	..KNLSREKLTYYVAQMEEFVKSLKEFDISNFL.....DIDAYLSDSWTL	374
aad12025 (SEQ ID NO: 69)	..TNEYVMIGIETLYLKNQKDLKKFQDLHALGSTEGPFYGNPNLGVSWTL	391
caa20531 (SEQ ID NO: 70)	GYIEEELKNTERLMRDDSMFE.....GVSDGLFFLTDWRNI	386
caa64636 (SEQ ID NO: 71)	..TEEYMKSVADLMVLKGRPH.....FTVVRTFLVSDVTRG	376
caa94432 (SEQ ID NO: 72)	..TMEYIKSTVDLMVIKGRPY.....FTVVGSEFMMSDLTRI	368
cab06427 (SEQ ID NO: 73)	..DDDYLRSAIDHTESKPG...PVPYMGSPKELY...PNVLVNSWGR	386
cab10318 (SEQ ID NO: 74)	..GTVILDEGGSSDSSSMIGSKLANLMTNYSRLSYETHPYTVSSWCKL	376
cab10319 (SEQ ID NO: 75)	..NEMIKESLQGNLTIGQSLLSLMAETVSES.....TEIDRYIMSSWCRK	363
cab40761 (SEQ ID NO: 76)	..DQGYINSYMEALGGSNDGNLPP.....LKELTLSDDTKM	397

FIG. 6L

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TAX1 (SEQ ID NO: 28) G . F D E V ~~D E F G H G~~ N A Y S V S P V Q Q Q S . . A L A M Q N Y F E L F L K P S K N K P P D ~~G~~ I K I L M 414  
TAX2 (SEQ ID NO: 26) G . F Y E A ~~D E F G H G~~ N A Y N V S P M Q Q Q R E H E L A M Q N Y F E L F L R S A K N M I D ~~G~~ I K I L M 410  
aab61522 (SEQ ID NO: 61) ~~E~~ V Y . E A ~~D E F G H G~~ K ~~E~~ L W V A S . . . . . A R M S . Y K N L . . V A F I D T K E G D ~~G~~ I E A W I 300  
aab61523 (SEQ ID NO: 62) G L Y . D A ~~D E F G H G~~ K ~~E~~ Y W V T G . . . . . R G T S H F K N L . . M L L I D T K D G E ~~G~~ I E A W I 408  
aab95293 (SEQ ID NO: 63) ~~E~~ M Y . D N ~~D E F G H G~~ R ~~E~~ V A V R S . . . . . G R S N K F D G K I S A . F P G R E G N G T V D L E V 459  
aab97723 (SEQ ID NO: 64) E M Y E T A ~~D E F G H G~~ K ~~E~~ Y Y A G P I . . D L R P T P Q V C V L L P Q G G V E S G N D Q S M V V C L 441  
aac17079 (SEQ ID NO: 65) ~~E~~ V N . Q V ~~D E F G H G~~ S ~~E~~ Y F G S Y . . . . . H F P W G G S A G Y V M P M P S S V D D R D W M V Y L 544  
aac18062 (SEQ ID NO: 66) ~~E~~ L Y . E V ~~D E F G H G~~ I ~~E~~ S L V D T . . . . . T A V P F . . . . . G L I V L M D E A P A G D ~~G~~ I A V R A 412  
aac27152 (SEQ ID NO: 67) G . F A E V E Y P ~~D E F G H G~~ K ~~E~~ K Y S C P V V Y H R K D I . . . . . V L L F P D I D G D S K ~~G~~ V Y V L A 431  
aac99311 (SEQ ID NO: 68) ~~E~~ F Y . D V ~~D E F G H G~~ K ~~E~~ I W V . C . . . . . L F Q P Y I K N C V M M D Y P F G D D Y ~~G~~ I E A I V 417  
aad12025 (SEQ ID NO: 69) ~~E~~ . M Y G L ~~D E F G H G~~ K E F Y T G P G T H D F D G D . . . . . S L I L P D Q N E D G . S V I L A T 433  
caa20531 (SEQ ID NO: 70) G W F G S M ~~D E F G H G~~ N E ~~E~~ V N L R P L . T Q R E S T V H V G M I L K P S K S D P S M E G ~~G~~ V K V I M . 435  
caa64636 (SEQ ID NO: 71) G . F G E V ~~D E F G H G~~ K A Y Y G G P A K G G V G A I P G V A S F Y I P F K . N K K G E N ~~G~~ I V V P I 424  
caa94432 (SEQ ID NO: 72) G . V E N V ~~D E F G H G~~ K A I F G G P T T G A R I T R G L V S F C V P F M . N R N G E K ~~G~~ T A L S L 416  
cab06427 (SEQ ID NO: 73) ~~E~~ . Y Q A M ~~D E F G H G~~ S ~~E~~ T F F G I S N I F Y D G Q . . . . . C F L I P S R D G D G . S M T L A I 428  
cab10318 (SEQ ID NO: 74) ~~E~~ L Y . E A S ~~E~~ G W D S ~~E~~ Y W V V G . . . . . N V S P V L G N L . . A M L I D S K D G Q ~~G~~ I E A F V 418  
cab10319 (SEQ ID NO: 75) ~~E~~ F Y . E V ~~D E F G H G~~ S ~~E~~ Y W V V G Y . . . . . A S H T I Y D N M V G V L I D S K E G D ~~G~~ V E A W I 407  
cab40761 (SEQ ID NO: 76) ~~E~~ . F H N V G ~~E~~ N G . . . . . G E P A D Y M A P L C P P V Q V A Y F M K N P K D A K ~~G~~ V L V R I 441

FIG. 6M

FIG. 6N

TAX1 (SEQ ID NO: 28) F L P L S K M K S F K I E M E A M M K . K Y V A K V . . . . . 439  
TAX2 (SEQ ID NO: 26) F M P A S M V K P P F K I E M E V T I N . K Y V A K I C N S K L . . . . . 440  
aab61522 (SEQ ID NO: 61) N L D Q N D M S R F E A D E E L L R Y V S S N P S V M V S V S . . . . . 331  
aab61523 (SEQ ID NO: 62) T L T E E Q M S L F E C D Q E L L E S A S L N P P V L I . . . . . 436  
aab95293 (SEQ ID NO: 63) V L S P E T M A G I E S D G E F M R Y V T N K . . . . . 482  
aab97723 (SEQ ID NO: 64) C L P P T A V H T F T R L L S L N D H K . . . . . 461  
aac17079 (SEQ ID NO: 65) H L T K G Q L R F I E E E A S H V L K P I D N D Y L K I . . . . . 572  
aac18062 (SEQ ID NO: 66) C L S E H D M I Q F Q Q H H Q L L S Y V S . . . . . 433  
aac27152 (SEQ ID NO: 67) A L P S K E M S K F Q H W F E D T L C . . . . . 450  
aac99311 (SEQ ID NO: 68) S F E Q E K M S A F E K N E Q L L Q F V S N . . . . . 439  
aad12025 (SEQ ID NO: 69) C L Q V A H M E A F K K H F Y E D I . . . . . 451  
caa20531 (SEQ ID NO: 70) K L P R D A M V E F K K R E M A T M K K L Y F G D T N . . . . . 461  
caa64636 (SEQ ID NO: 71) C L P G F A M E T F V K E L D G M L K V D A P L . . V N S N Y A I I R P A L . 460  
caa94432 (SEQ ID NO: 72) C L P P P A M E R F R A N V H A S L Q V K Q V V D A V D S H M Q T I Q S A S K 455  
cab06427 (SEQ ID NO: 73) N L F S S H L S R F K K Y F Y D F . . . . . 445  
cab10318 (SEQ ID NO: 74) T L P E E N M S S F E Q N P E L L A F A T M N P S V L V . . . . . 446  
cab10319 (SEQ ID NO: 75) S L P E E D M S V F V D D Q E L L A Y A V L N P P V V A . . . . . 435  
cab40761 (SEQ ID NO: 76) G L D P R D V N G F S N H F L D C . . . . . 458

FIG. 6N

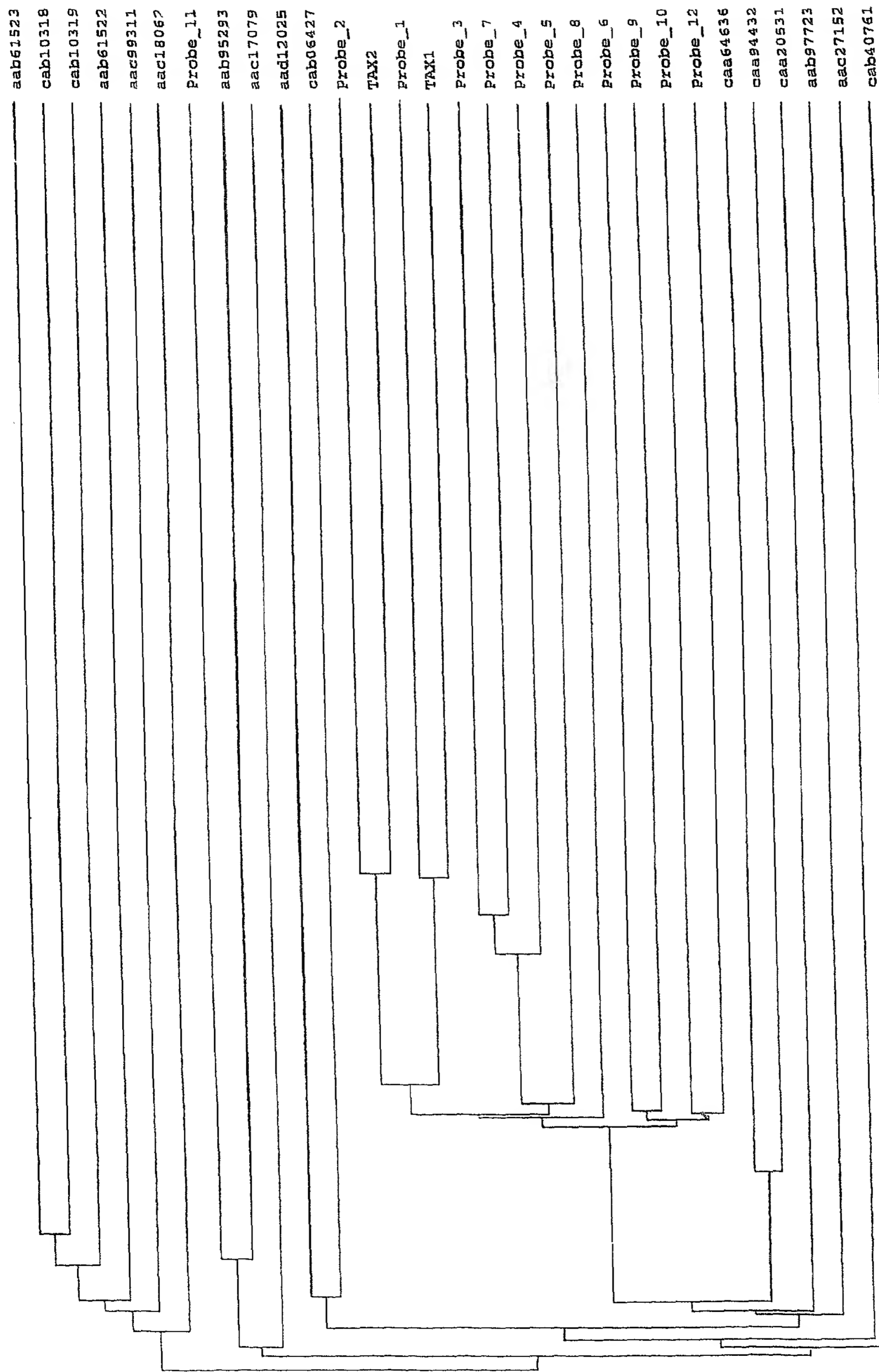


FIG. 7

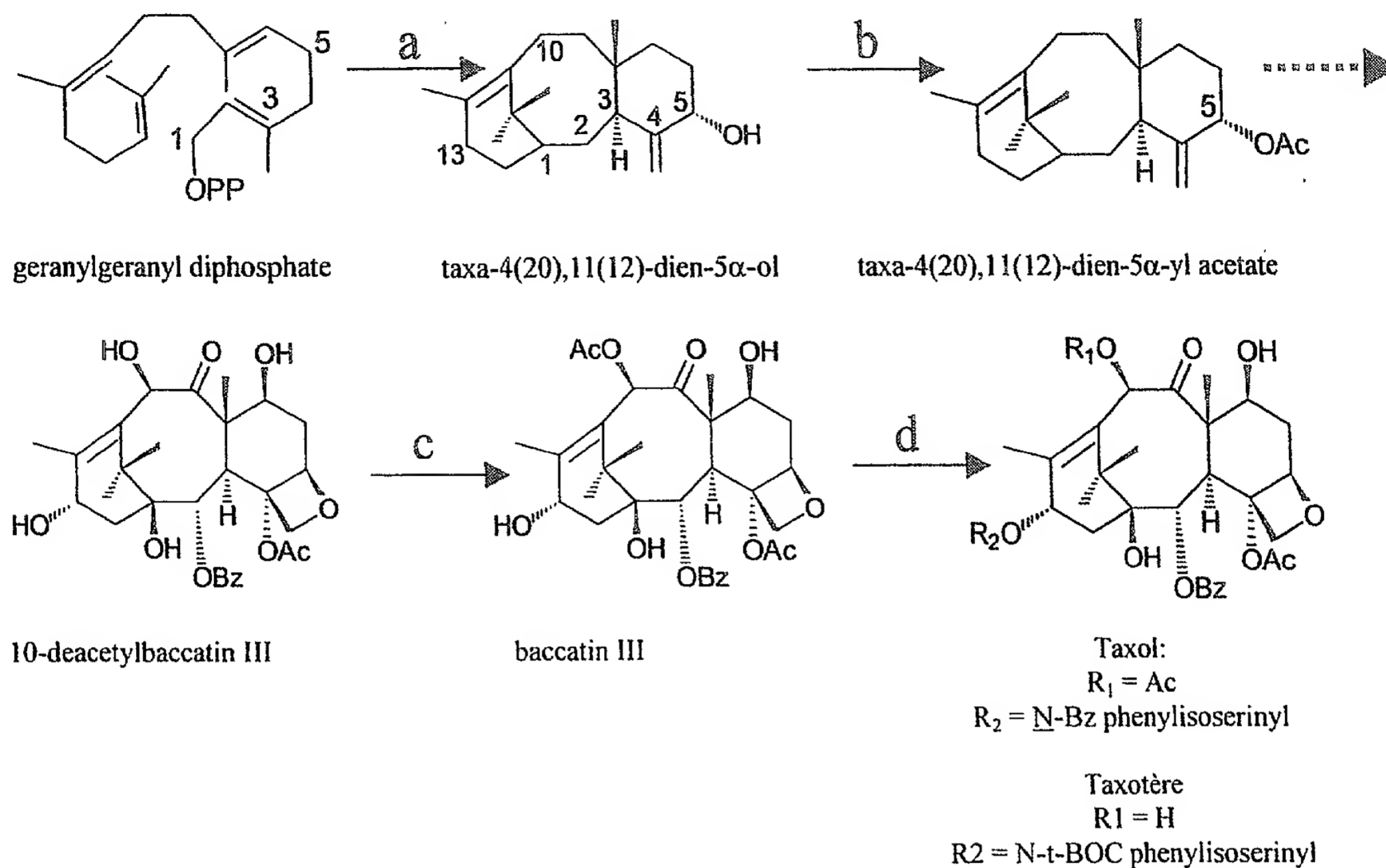
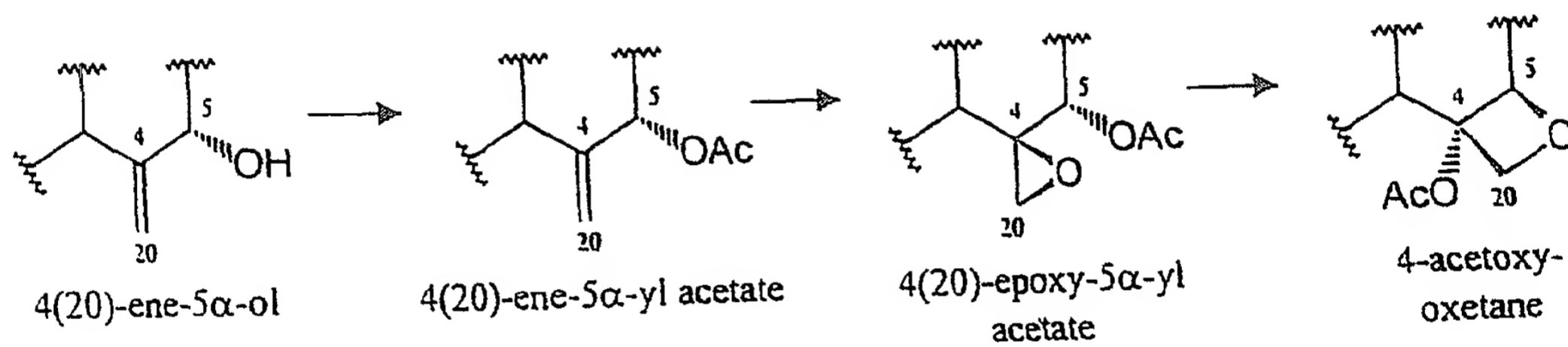
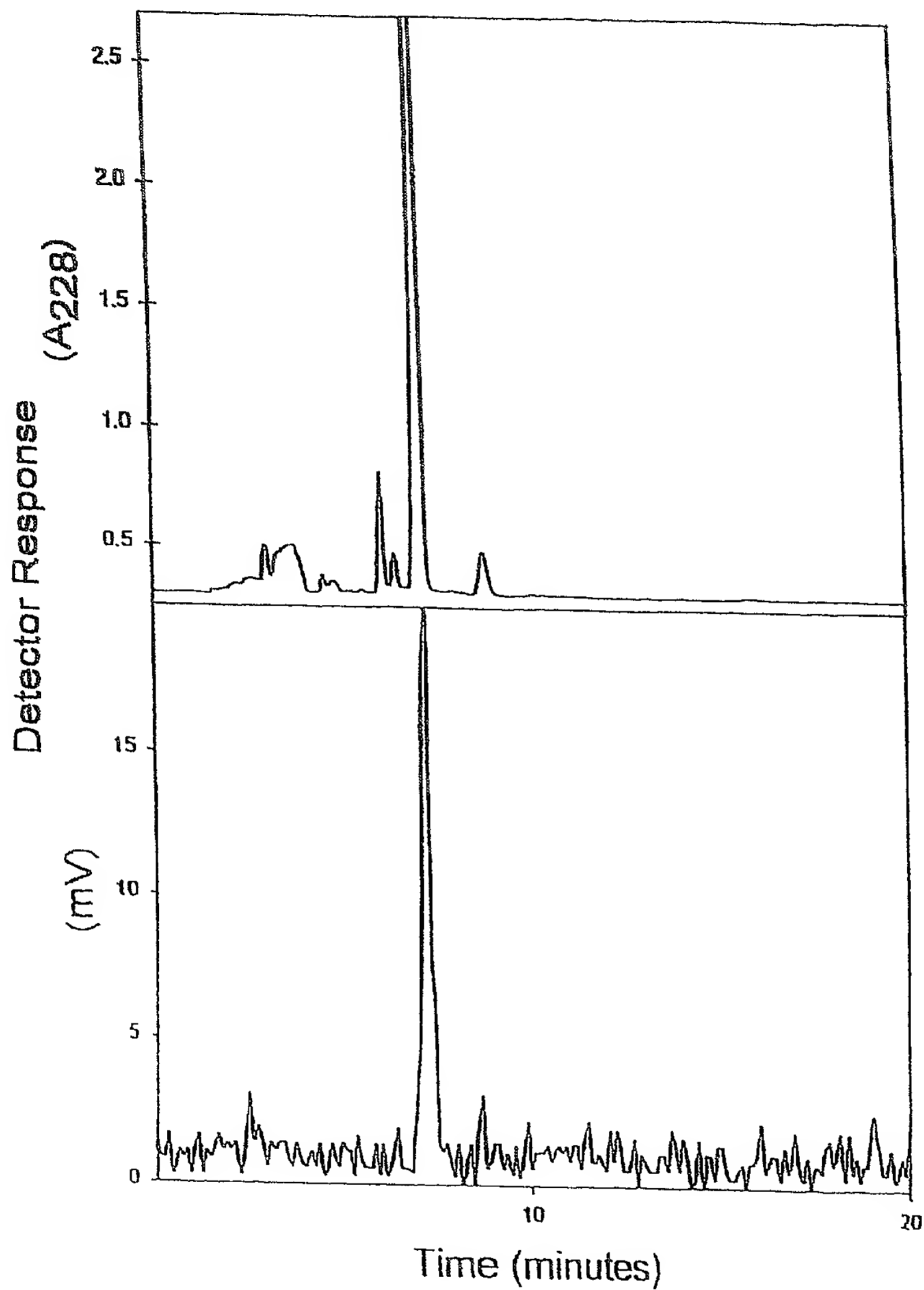


FIG. 8A

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**FIG. 8B**



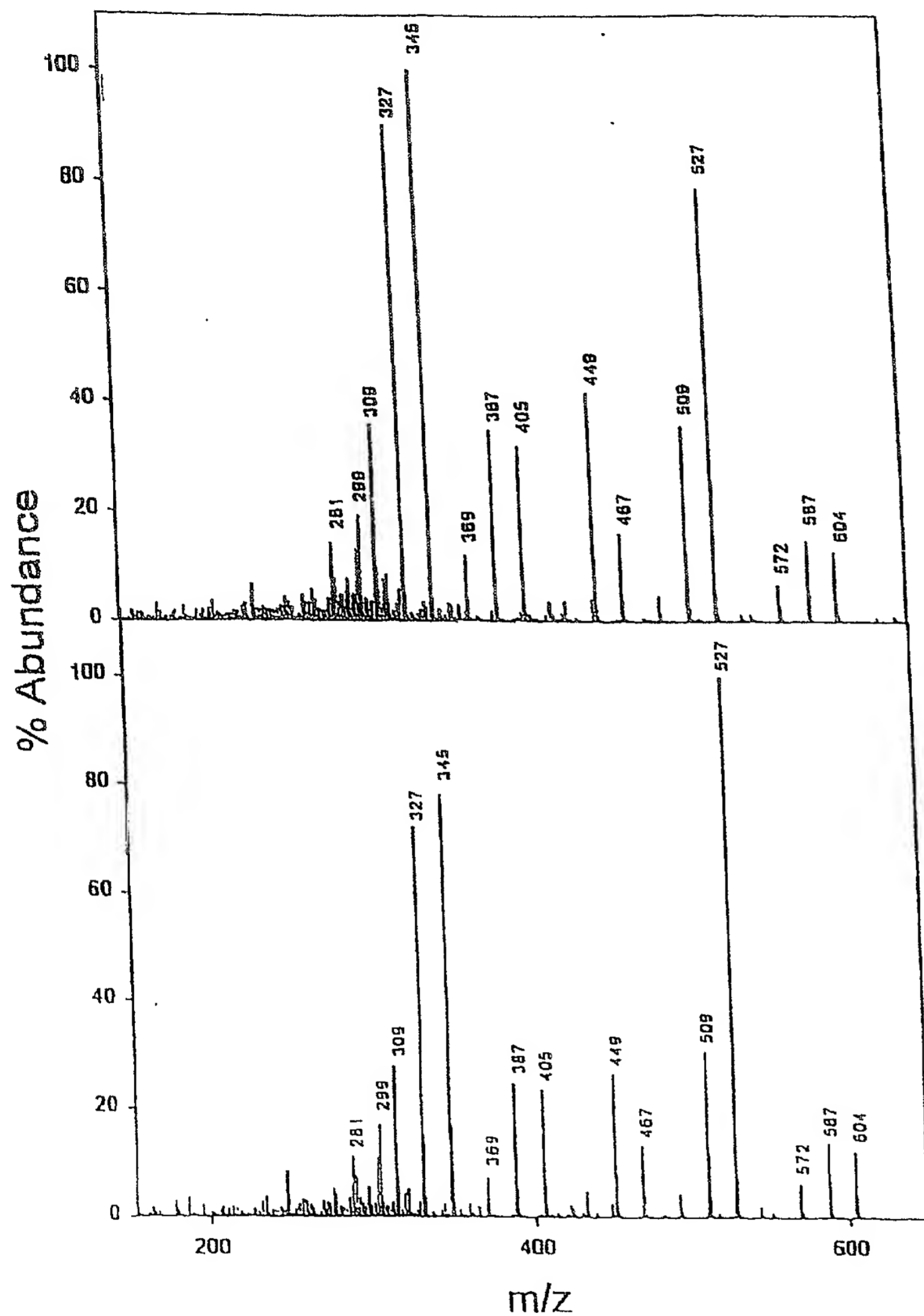


FIG. 10A

FIG. 10B